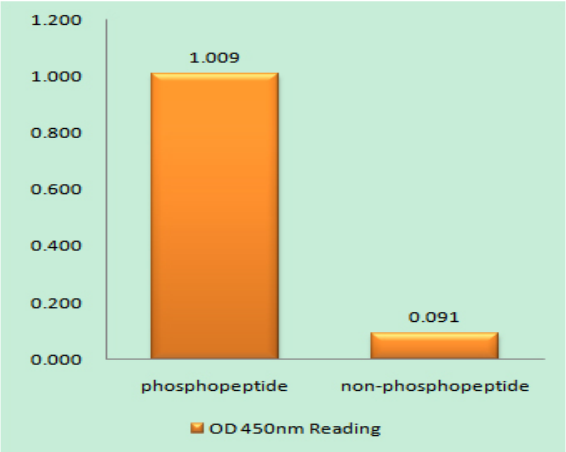
Immunoway
Best Tools for immunology Research

C/EBP ε (phospho Thr74) Polyclonal Antibody

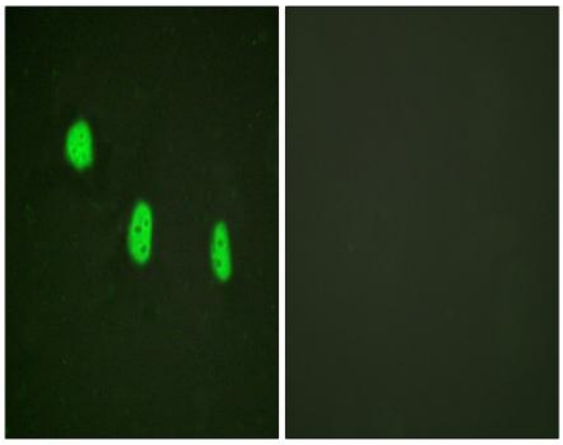
Catalog No :	YP0911
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	C/EBP ε
Fields :	>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia
Gene Name :	CEBPE
Protein Name :	CCAAT/enhancer-binding protein epsilon
Human Gene Id :	1053
Human Swiss Prot No :	Q15744
Mouse Swiss Prot No :	Q6PZD9
Immunogen :	The antiserum was produced against synthesized peptide derived from human C/EBP-epsilon around the phosphorylation site of Thr74. AA range:40-89
Specificity :	Phospho-C/EBP ε (T74) Polyclonal Antibody detects endogenous levels of C/EBP ε protein only when phosphorylated at T74.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	34kD
Background :	The protein encoded by this gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-delta. The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008],
Function :	function:C/EBP are DNA-binding proteins that recognize two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers.,online information:CEBPE mutation db,PTM:Phosphorylated.,similarity:Belongs to the bZIP family. C/EBP subfamily.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a dimer and can form stable heterodimers with C/EBP delta.,tissue specificity:Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.,
Subcellular Location :	Nucleus .
Expression :	Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.
Tag :	orthogonal
Sort :	2921
No4 :	1
Host :	Rabbit
Modifications :	Phospho

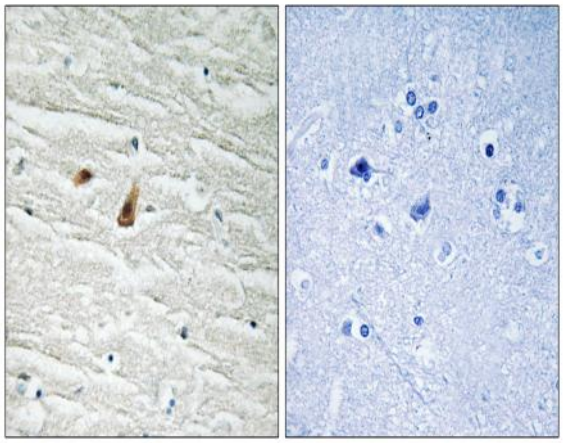
Products Images



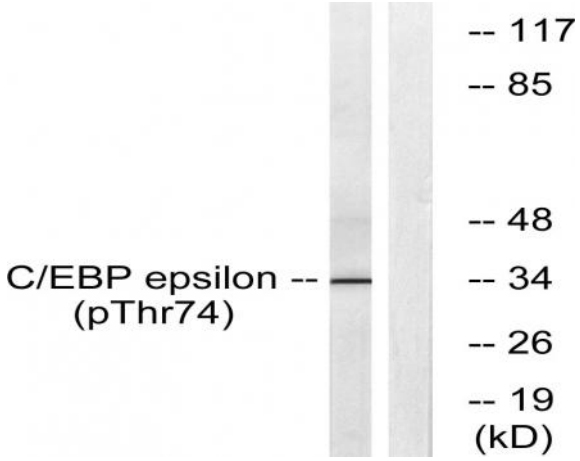
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using C/EBP-epsilon (Phospho-Thr74) Antibody



Immunofluorescence analysis of HeLa cells, using C/EBP-epsilon (Phospho-Thr74) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using C/EBP-epsilon (Phospho-Thr74) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with UV 15', using C/EBP-epsilon (Phospho-Thr74) Antibody. The lane on the right is blocked with the phospho peptide.